

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	Earl Medeiros	GROUP ART UNIT:	Not Yet Assigned
U.S.S.N.:	Not Yet Assigned	EXAMINER:	Not Yet Assigned
FILING DATE:	December 4, 2003		
TITLE:	A METHOD OF FORMING A BALL GRID ARRAY DEVICE		



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Date: 12/4/03

By: Linda Valanzola

Print Name: Linda Valanzola

UTILITY PATENT APPLICATION TRANSMITTAL

Mail Stop: PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is a patent application entitled:

*A METHOD OF FORMING A BALL GRID ARRAY DEVICE*

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**Named Inventor(s) / Inventor Address(es) / Inventor Citizenship(s):**

Inventor's Name:	Earl Medeiros
Residence:	533 Adams Street, Fall River, MA 02720
Citizenship:	USA

**Enclosed are:**

- [x] Transmittal Letter (this form, 3 Pages, IN DUPLICATE) Total Pages: 6;
- [x] Utility Patent Application Specification including Cover Sheet, Title of the Invention, Background of the Invention, Summary of the Invention, Brief Description of the Drawings, Detailed Description, 15 Claims ( 3 Independent, 12 dependent), Abstract of the Disclosure, Total Pages: 11 ;
- [x] Drawings: [ ] Formal, [x] Informal (Figs: 1-6), Total Sheets: ;6
- [x] Newly Executed Oath/Declaration/Power Of Attorney, Total Pages: 3;
- [x] Assignment Papers (Assignment Recordation Cover Sheet 1 page, 1 Duplicate Copy, Copy of Assignment Document, 2 pages), Total Pages: 4 ;
- [x] Request and Certification Under 35 U.S.C. 122(b)(2)(B)(I); Total Sheets: 1;
- [x] Return Receipt Postage Pre-paid Postcard;
- [x] Authorization to charge deposit account; with fee amounts calculated as follows:

CLAIMS	Number Filed	Number Extra	Rate	Calculations
Total Claims	15- 20 =	0	x \$18	\$ .00
Independent Claims	3- 3 =	0	x \$86	\$ .00
Multiple Independent Claims			+ 270 =	0
BASIC FILING FEE =				\$770.00
Total of Above Calculations =				\$ .00
Assignment Recordation Fee =				\$40.00
TOTAL FEE FOR THIS PATENT APPLICATION =				<u>\$810.00</u>

**Please direct all telephone calls and address all correspondence to:**

Scott A. Ouellette, Esq.  
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Facsimile: (508) 293-7189

Please charge any fees associated with this transaction to Deposit Account No. 05-0889.

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If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 435-1000 Ext. 77835, in Hopkinton, Massachusetts.

Respectfully submitted,

Dated: 12/4/03

By: Scott A. Ouellette

Scott A. Ouellette, Esq.  
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**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

**Earl Medeiros**

Title

**A Method of Forming a Ball Grid  
Array Device**

Attorney Docket Number

**EMC-03-091**

I hereby certify that the invention disclosed in the attached application **has not and will not b** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

December 4, 2003

Date



Signature

508-435-1000

Telephone number

Scott A. Ouellette

Typed or printed name

Reg. No. 38,573

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.